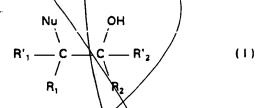
- A support according to claim 32, wherein said divalent hydrocarbon radical forms part of a heterocycle.
- 34. A support according to claim 32, wherein said divalent hydrocarbon radical forms part of a ribose ring and said nucleophilic group is the 2'-O function of said ribose ring protected with a protecting group.
- 35. A support according to claim 34, wherein said nucleophilic group is CH₃-C = O.
- 36. A support according to claim 32 comprising



wherein one of R₁, R'₁, R₂, and R'₂ represents said inorganic or organic polymer or a hydrocarbon substitutes with said inorganic or organic polymer, wherein three of R₁, R'₁, R₂, and R'₂ are identical or different and represent, independently of each other, H or an optionally substituted group inert to solid phase nucleic acid synthesis conditions, or R₁ and R₂ taken together form part of a heterocycle, and wherein Nu represents said nucleophilic group;

b) or a compound having the formula

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Supply

$$R' \downarrow \begin{array}{c} R'' \downarrow \\ R' \downarrow \\ C \end{array} \begin{array}{c} OH \\ C \end{array}$$

$$R_1 \longrightarrow C \\ O \end{array} \begin{array}{c} OH \\ R'_2 \end{array}$$

$$R_2$$

- wherein one of R₁, R'₁, R''₁, R₂, and R'₂ represents said inorganic or organic polymer or a hydrocarbon substituted with said inorganic or organic polymer, wherein four of R₁, R'₁, R''₁, R₂, and R'₂ are identical or different and represent, independently of each other, H or an optionally substituted group ipert to solid phase nucleic acid synthesis conditions, or R₁ and R₂ taken together or R'₁ and R'₂ taken together form part of a heterocyclic moiety, and wherein Nu represents said nucleophilic group.
- 37. A support according to claim 36 wherein R₁, R'₁, A''₁, R₂, and R'₂ are identical or different and represent an alkyl group optionally substituted with one or more halogens and Nu represents a nucleophilic group selected from the group consisting of -NH₂, halogen, -OAJk, -SAIk, -NHAIk, -NHAc, -OAc, -SAc, and -N(Alk)₂, wherein Alk and Ac respectively represent an alkyl group and an acyl group optionally substituted with one or more halogens.
- 38. A support according to claim 36, wherein Nu represents a nucleophilic group selected from the group consisting of -NHAc, -OAc, -9Ac, and -N(Alk)₂, wherein Alk and Ac respectively represent a functionalizing group moiety to C₄ alkyl and an acyl group optionally substituted with one or more halogens.
- 39. A support according to claim 36, comprising a compound of formula

$$\begin{array}{c|cccc} & & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & &$$

wherein R₁, R₂, and Nu have the meaning given in claim 36.

40. A support according to claim \$6, comprising a compound of formula

wherein R₁ and Nu have the meaning given in claim 36.

41. A solid support for the synthesis of a nucleic acid, said support comprising a compound having the formula:

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- wherein R₁ and R₂ form part of a cyclic moiety coupled to an organic or inorganic polymer optionally bearing functional -COOH or -NH₂ groups.
- 42. A support according to claim 41, wherein said cyclic moiety is a heterocycle.
- 43. A support according to claim 42, wherein said cyclic moiety is a ribose ring and Nu is the 2'-O function of said ribose ring protected with a protecting group.
- 44. A support according to claim 41, wherein Nu is a group of formula CH₃-C = O.
- 45. A compound comprising a nucleotide monomer bonded to the solid support according to claim 32 group inert to solid phase through a phosphate, phosphite or phosphorothicate group of said monomer to the oxygen atom residue of the hydroxy group.
 - A compound comprising a nucleofide monomer bonded to the solid support according to claim 36 group inert to solid phase through a phosphate, phosphite or phosphorothloate group of said monomer to the oxygen atom residue of the OH group of the formula I.
- 47. A compound comprising a nucleotide monomer bonded to the solid support according to claim 41 group inert to solid phase through a phosphate, phosphite or phosphorothicate group of said monomer to the oxygen atom residue of the hydroxy group of the formula I.

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